# AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Previously presented) A computer-implemented method for unconscious

data retrieval, comprising:

extracting at least one query key from a primary document;

responsive to a connection with at least one data source being available,

pre-fetching at least one query result by:

querying the at least one data source with the at least one query

key; and

receiving at least one query result from at least one data source;

evaluating the received at least one query result; and

displaying at least one received query result;

wherein extracting, querying, receiving, and evaluating are performed asyn-

chronously with respect to user interaction with the primary document;

and wherein displaying the at least one received query result is performed

without regard to whether a connection with a data source is available.

2. (Original) The method of claim 1, further comprising, prior to extracting:

receiving the primary document;

3    and wherein extracting, querying, receiving, and evaluating are performed in

4    response to receiving the primary document.


1         3. (Previously presented)  The method of claim 1, further comprising, prior to

2    displaying at least one received query result:

3              accessing the primary document;


4         and wherein displaying at least one received query result is performed in re-

5    sponse to accessing the primary document.


1         4. (Previously presented)  The method of claim 1, further comprising, prior to

2    displaying at least one received query result:

3              displaying the primary document;


4         and wherein displaying at least one received query result is performed in re-

5    sponse to displaying the primary document.


1         5. (Original)  The method of claim 1, wherein the primary document com-

2    prises an electronic communication.


1         6. (Original)  The method of claim 5, wherein the primary document com-

2    prises an e-mail message.


1         7. (Original)  The method of claim 5, further comprising, prior to extracting:

2              receiving the electronic communication;

3    and wherein extracting, querying, receiving, and evaluating are performed in

4    response to receiving the electronic communication.

1       8. (Original) The method of claim 7, wherein receiving the electronic com-

2    munication comprises receiving the electronic communication at an e-mail server.

1       9. (Original) The method of claim 7, wherein receiving the electronic com-

2    munication comprises receiving the electronic communication at a user's computer.

1       10. (Original) The method of claim 7, wherein receiving the electronic com-

2    munication comprises retrieving the electronic communication from an e-mail server

3    to a user's computer.

1       11. (Canceled)

1       12. (Original) The method of claim 1, further comprising:

2          storing the evaluated at least one query result;

3    and wherein displaying at least one received query result comprises:

4          retrieving the stored at least one query result; and

5          displaying the retrieved at least one query result.

1       13. (Previously presented)   A computer-implemented method for uncon-

2    scious data retrieval, comprising:

3          extracting at least one query key from a primary document;

4      querying at least one data source with the at least one query key;

5      receiving at least one query result from at least one data source;

6      evaluating the received at least one query result;

7      storing the evaluated at least one query result; and

8      subsequently performing the steps of:

9      receiving a query request from a user;

10      displaying a preview of at least one query result item responsive

11      to the received query request;

12      receiving a selection of one of the previewed items;

13      retrieving the selected item; and

14      displaying a representation of the selected item;

15      wherein extracting, querying, receiving, and evaluating are performed

16      without user interaction.


1      14. (Original) The method of claim 13, wherein retrieving the selected item

2   comprises retrieving the item from a cache.


1      15. (Original) The method of claim 13, wherein retrieving the selected item

2   comprises retrieving a text version of the item from a cache.


1      16. (Original) The method of claim 13, wherein retrieving the selected item

2   comprises asynchronously retrieving the selected item.


1      17. (Original) The method of claim 16, further comprising:

2　　notifying the user upon completion of the asynchronous retrieval of the

3　　　　　　　　selected item.

1　　18. (Amended) The method of claim 1, wherein querying at least one data

2　source comprises ~~A computer-implemented method for unconscious data retrieval,~~

3　~~comprising~~:

4　　　　　~~extracting at least one query key from a primary document;~~

5　　　　　transmitting a query over a network ~~to at least one data source with the~~

6　　　　　　　~~at least one query key;~~

7　　　　　~~receiving at least one query result from at least one data source;~~

8　　　　　~~evaluating the received at least one query result; and~~

9　　　　　~~displaying at least one received query result;~~

10　　　~~wherein extracting, querying, receiving, and evaluating are performed with-~~

11　　　　　~~out user interaction.~~

1　　19. (Amended) The method of claim 18, wherein querying at least one data

2　source ~~transmitting the query~~ comprises transmitting an e-mail message containing a

3　~~the~~ query to the at least one data source.

1　　20. (Amended) The method of claim 19, wherein ~~transmitting the e-mail mes-~~

2　~~sage to the~~ querying at least one data source comprises transmitting ~~the e-mail mes-~~

3　~~sage~~ across a firewall an e-mail message containing a query to the at least one data

4　source.

1    21. (Amended) The method of claim 19, wherein ~~transmitting the e-mail mes-~~

2    ~~sage to the~~ <u>querying</u> at least one data source comprises transmitting an XML-

3    encoded e-mail message containing a query to the at least one data source.


1    22. (Amended) The method of claim 18, wherein receiving at least one query

2    result from at least one data source comprises receiving an e-mail message contain-

3    ing at least one query result from at least one data source.


1    23. (Amended) The method of claim 18, wherein receiving at least one query

2    result from at least one data source comprises receiving an XML-encoded e-mail

3    message containing at least one query result from at least one data source.


1    24. (Previously presented) <u>The method of claim 1, wherein the at least one</u>

2    <u>data source comprises</u> ~~A computer-implemented method for unconscious data re-~~

3    ~~trieval, comprising:~~

4        ~~extracting at least one query key from a primary document;~~

5        querying at least one information appliance ~~with the at least one query~~

6        ~~key;~~

7        ~~receiving at least one query result from at least one information appli-~~

8        ~~ance;~~

9        ~~evaluating the received at least one query result; and~~

10       ~~displaying at least one received query result;~~

11        ~~wherein extracting, querying, receiving, and evaluating are performed~~

12        ~~without user interaction.~~

1        25. (Original) The method of claim 24, wherein at least one of the information

2    appliances comprises one selected from the group consisting of:

3              a visitor kiosk;

4              a meeting recorder;

5              a presentation recorder;

6              a whiteboard capture device;

7              a communication device; and

8              a document management device.

1        26. (Original) The method of claim 1, wherein evaluating the received at least

2    one query result comprises estimating the relevance of the query result with respect

3    to the electronic communication.

1        27. (Original) The method of claim 1, wherein evaluating the received at least

2    one query result comprises determining whether the query result has previously

3    been displayed.

1        28. (Original) The method of claim 1, wherein evaluating the received at least

2    one query result comprises determining whether the query result is sufficiently rele-

3    vant with respect to a predetermined relevancy threshold;

4      and wherein displaying at least one received query result comprises

5             displaying a query result responsive to the determination indi-

6             cating that the query result is sufficiently relevant.


1      29. (Original) The method of claim 1, wherein displaying at least one received

2  query result comprises determining displaying at least one received query result in a

3  sequence prioritized according to estimated relevance.


1      30. (Previously presented) A computer-implemented method for uncon-

2  scious data retrieval, comprising:

3           extracting at least one query key from a primary document;

4           querying at least one data source with the at least one query key;

5           receiving at least one query result from at least one data source;

6           evaluating the received at least one query result;

7           displaying at least one received query result;

8           determining whether an additional query should be performed; and

9           responsive to a determination that an additional query should be per-

10              formed:

11           formulating an additional query containing at least one secondary

12              query key;

13           querying at least one data source with the at least one secondary

14              query key;

15                          receiving at least one secondary query result from at least one data

16                          source; and

17                          displaying at least one received secondary query result;

18                          wherein extracting, querying, receiving, and evaluating are performed

19                          without user interaction.

1        31. (Original) The method of claim 30, wherein formulating an additional

2  query comprises formulating an additional query comprising at least one query key

3  from the primary document and at least one secondary query key.

1        32. (Original) The method of claim 1, wherein displaying at least one received

2  query result comprises displaying the query result in the context of a currently active

3  software application.

1        33. (Original) The method of claim 1, wherein displaying at least one received

2  query result comprises displaying the query result in a sidebar pane adjacent to a

3  currently active on-screen window.

1        34. (Original) The method of claim 1, wherein displaying at least one received

2  query result comprises displaying the query result in an on-screen window concur-

3  rently with display of a currently active on-screen window.

1        35. (Original) The method of claim 1, wherein displaying at least one received

2  query result comprises displaying the query result in an on-screen dialog box.

1     36. (Original) The method of claim 1, wherein at least a portion of the dis-

2     played query result comprises a hyperlink to a resource containing data related to

3     the displayed query result.

1     37. (Original) The method of claim 1, wherein the at least one received query

2     result comprises a plurality of query results, the method further comprising:

3          prioritizing the query results according to estimated relevance;

4          and wherein displaying at least one received query result comprises

5             displaying a plurality of query results in order of priority.

1     38. (Original) The method of claim 37, wherein prioritizing the query results

2     is performed responsive to the context of the query results.

1     39. (Original) The method of claim 37, wherein prioritizing the query results

2     is performed responsive to the context of the query key in the primary document.

1     40. (Original) The method of claim 1, wherein at least one of the data sources

2     comprises a network-connected computer containing shared information.

1     41. (Original) The method of claim 1, wherein at least one of the data sources

2     comprises a shared directory.

1     42. (Original) The method of claim 1, wherein at least one of the data sources

2     is intermittently connected via a network.

1    43. (Original) The method of claim 1, wherein the primary document is one

2    selected from the group consisting of:

3              an electronic communication;

4              a word processing document;

5              a spreadsheet document;

6              a task item;

7              a calendar item;

8              a file;

9              an image;

10             a sound recording;

11             a video recording; and

12             a contact record.

1    44. (Original) The method of claim 1, wherein querying at least one data

2    source comprises:

3              formulating a structured query based on the extracted at least one

4                   query key; and

5              transmitting the structured query to the at least one data source.

1    45. (Original) The method of claim 1, wherein extracting at least one query

2    key comprises applying a part-of-speech analysis to the primary document.

1    46. (Original) The method of claim 1, further comprising:

2    selecting at least one data source based on the extracted at least one

3    query key;

4    and wherein querying at least one data source comprises querying the

5    selected at least one data source.

1    47. (Original) The method of claim 1, wherein evaluating the received at least

2    one query result comprises applying a Bayesian belief net to determine estimated

3    relevance of the at least one query result.

1    48. (Original) The method of claim 1, wherein displaying at least one received

2    query result comprises displaying the result on a device that is intermittently con-

3    nected via a network.

1    49. (Original) The method of claim 48, wherein the device comprises a port-

2    able computing device.

1    50. (Original) The method of claim 1, wherein the primary document com-

2    prises a text document.

1    51. (Original) The method of claim 1, wherein the primary document com-

2    prises a non-text document.

1    52. (Original) The method of claim 1, wherein querying at least one data

2    source comprises transmitting a text query.

1    53. (Original)  The method of claim 1, wherein querying at least one data

2  source comprises transmitting a non-text query.


1    54. (Amended)  <u>The method of claim 1, wherein</u> ~~A computer-implemented~~

2  ~~method for unconscious data retrieval, comprising~~:

3          ~~extracting at least one query key from a primary document;~~

4          ~~querying at least one data source with the at least one query key;~~

5          ~~receiving at least one query result from at least one data source;~~

6          ~~evaluating the received at least one query result; and~~

7          displaying at least one received query result <u>comprises displaying the</u>

8          <u>query result</u> in a calendar display~~;~~

9      ~~wherein extracting, querying, receiving, and evaluating are performed with-~~

10          ~~out user interaction.~~


1    55. (Previously presented)  A computer-implemented method for uncon-

2  scious data retrieval, comprising:

3          extracting at least one query key from a primary document;

4          querying at least one data source with the at least one query key;

5          receiving at least one query result from at least one data source;

6          evaluating the received at least one query result; and

7          displaying at least one received query result  in a user-activated toolbar

8          menu;

9     wherein extracting, querying, receiving, and evaluating are performed with-

10          out user interaction.

1     56. (Original) The method of claim 1, wherein displaying at least one received

2    query result comprises:

3          designating at least a portion of the primary document as a hyperlink;

4          and

5          responsive to user activation of the hyperlink, displaying a query re-

6          sult.

1     57. (Original) The method of claim 1, wherein displaying at least one received

2    query result comprises:

3          displaying an on-screen button; and

4          responsive to user activation of the button, displaying a query result.

1     58. (Original) The method of claim 1, wherein displaying at least one received

2    query result comprises:

3          displaying a toolbar menu activation button; and

4          responsive to user activation of the button, displaying a query result.

1     59. (Original) The method of claim 1, wherein displaying at least one received

2    query result comprises:

3          displaying a menu comprising at least one command; and

4            responsive to user selection of one of the at least one command, dis-

5                 playing a query result.


1         60. (Original) The method of claim 1, wherein displaying at least one received

2 query result comprises:

3             displaying a menu activation icon;

4            responsive to user activation of the menu activation icon, displaying a

5                menu comprising at least one command; and

6            responsive to user selection of one of the at least one command, dis-

7                playing a query result.


1         61. (Previously presented) A computer-implemented method for uncon-

2 scious data retrieval, comprising:

3            extracting at least one query key from a primary document;

4            querying at least one data source with the at least one query key;

5            receiving at least one query result from at least one data source;

6            evaluating the received at least one query result; and

7            recognizing user-entered text as having a format corresponding to a

8                predefined data type;

9            displaying a menu comprising at least one command applicable to the

10               data type; and

11            responsive to user selection of one of the at least one command, dis-

12               playing at least one query result;

13     wherein extracting, querying, receiving, and evaluating are performed with-

14          out user interaction.

1       62. (Previously presented) A computer-implemented system for unconscious

2   data retrieval, comprising:

3        a receiver, for receiving a primary document;

4        a requester, coupled to the receiver, for, responsive to a connection with

5          at least one data source being available, pre-fetching at least one

6          query result by generating and transmitting to at least one data

7          source at least one query related to the primary document;

8       an evaluator, for receiving at least one query result from the at least one

9          data source and for evaluating the received at least one query re-

10          sult; and

11       a display, coupled to the evaluator, for displaying the at least one re-

12          ceived query result without regard to whether a connection with

13          a data source is available;

14       wherein the receiver, the requester, and the evaluator operate asyn-

15          chronously with respect to user interaction with the primary

16          document.

1       63. (Original) The system of claim 62, wherein the primary document com-

2   prises an electronic communication.

1        64. (Original) The system of claim 63, wherein the primary document com-

2    prises an e-mail message.


1        65. (Original) The system of claim 64, wherein the receiver comprises an e-

2    mail server.


1        66. (Original) The system of claim 64, wherein the receiver comprises an e-

2    mail program running on a user's computer.


1        67. (Canceled)


1        68. (Original) The system of claim 62, further comprising:

2              a storage device, coupled to the evaluator, for storing the evaluated at

3                    least one query result;


4             and wherein the display displays at least one received query result retrieved

5    from the storage device.


1        69. (Previously presented) A computer-implemented system for unconscious

2    data retrieval, comprising:

3              a receiver, for receiving a primary document;

4              a requester, coupled to the receiver, for generating and transmitting to

5                    at least one data source at least one query related to the primary

6                    document;

7      an evaluator, for receiving at least one query result from the at least one

8      data source and for evaluating the received at least one query re-

9      sult;

10      a storage device, coupled to the evaluator, for storing the evaluated at

11      least one query result;

12      an input device for receiving a query request from a user;

13      a display, coupled to the evaluator, for displaying a query preview in-

14      terface showing at least one query result item responsive to the

15      received query request, and for, responsive to a selection of one

16      of the previewed items, displaying a representation of the se-

17      lected item;

18      wherein the receiver, the requester, and the evaluator operate without user in-

19      teraction.

1      70. (Original) The system of claim 69, wherein:

2      the storage device comprises a cache; and

3      the at least one query result item is retrieved from the cache.

1      71. (Original) The system of claim 69, wherein:

2      the storage device comprises a text cache; and

3      the representation of the at least one query result item is retrieved from

4      the text cache.

1      72. (Original) The system of claim 69, wherein:

2          the requester generates and transmits to at least one data source a re-

3                     quest for the selected item; and

4             the receiver receives the selected item asynchronously.

1       73. (Original) The system of claim 72, further comprising:

2          a notifier, coupled to the receiver, for notifying the user upon comple-

3                tion of the asynchronous retrieval of the selected item.

1       74. (Amended) <u>The system of claim 62, wherein the requester transmits the</u>

2 <u>query</u> ~~A computer-implemented system for unconscious data retrieval, comprising:~~

3          ~~a receiver, for receiving a primary document;~~

4          ~~a requester, coupled to the receiver, for generating and transmitting~~

5             over a network ~~to at least one data source at least one query re-~~

6             ~~lated to the primary document;~~

7          ~~an evaluator, for receiving at least one query result from the at least one~~

8             ~~data source and for evaluating the received at least one query re-~~

9             ~~sult; and~~

10        ~~a display, coupled to the evaluator, for displaying the at least one re-~~

11            ~~ceived query result;~~

12        ~~wherein the receiver, the requester, and the evaluator operate without~~

13            ~~user interaction.~~

1       75. (Previously presented) The system of claim 74, wherein the requester

2 transmits an e-mail message containing the query to the at least one data source.

1   76. (Previously presented)  The system of claim 74, wherein the requester

2   transmits across a firewall an e-mail message containing the query to the at least one

3   data source.


1   77. (Previously presented)  The system of claim 74, wherein the evaluator re-

2   ceives an e-mail message containing at least one query result from at least one data

3   source.


1   78. (Previously presented)   A computer-implemented system for unconscious

2   data retrieval, comprising:

3         a receiver, for receiving a primary document;

4         a requester, coupled to the receiver, for generating and transmitting to

5            at least one information appliance at least one query related to

6            the primary document;

7         an evaluator, for receiving at least one query result from the at least one

8            information appliance and for evaluating the received at least

9            one query result; and

10        a display, coupled to the evaluator, for displaying the at least one re-

11           ceived query result;

12        wherein the receiver, the requester, and the evaluator operate without user in-

13           teraction.

1    79. (Original)  The system of claim 78, wherein at least one of the information

2    appliances comprises one selected from the group consisting of:

3            a visitor kiosk;

4            a meeting recorder;

5            a presentation recorder;

6            a whiteboard capture device;

7            a communication device; and

8            a document management device.


1    80. (Original)  The system of claim 62, wherein the evaluator estimates the

2    relevance of the query result with respect to the primary document.


1    81. (Original)  The system of claim 62, wherein the evaluator determines

2    whether the query result is sufficiently relevant with respect to a predetermined

3    relevancy threshold;

4    and wherein the display displays a query result responsive to the determina-

5    tion indicating that the query result is sufficiently relevant.


1    82. (Original)  The system of claim 62, wherein the display displays at least

2    one received query result in a sequence prioritized according to estimated relevance.


1    83. (Original)  The system of claim 62, wherein the display displays the query

2    result in the context of a currently active software application.

1       84. (Original) The system of claim 62, wherein the display comprises a side-

2     bar pane adjacent to a currently active on-screen window.

1       85. (Original) The system of claim 62, wherein the display comprises an on-

2     screen window shown concurrently with a currently active on-screen window.

1       86. (Original) The system of claim 62, wherein the display comprises an on-

2     screen dialog box.

1       87. (Original) The system of claim 62, wherein at least a portion of the dis-

2     played query result comprises a hyperlink to a resource containing data related to

3     the displayed query result.

1       88. (Original) The system of claim 62, wherein at least one of the data sources

2     comprises a network-connected computer containing shared information.

1       89. (Original) The system of claim 62, wherein at least one of the data sources

2     comprises a shared directory.

1       90. (Original) The system of claim 62, wherein at least one of the data sources

2     is intermittently connected via a network.

1       91. (Original) The system of claim 62, wherein the primary document is one

2     selected from the group consisting of:

3             an electronic communication;

4          a word processing document;

5          a spreadsheet document;

6          a task item;

7          a calendar item;

8          a file;

9          an image;

10         a sound recording;

11         a video recording; and

12         a contact record.


1     92. (Original)  The system of claim 62, wherein the requester comprises:

2          a query formulator, for formulating a structured query based on the ex-

3          tracted at least one query key; and

4          a transmitter, coupled to the query formulator, for transmitting the

5          structured query to the at least one data source.


1     93. (Original)  The system of claim 62, wherein the evaluator applies a Bayes-

2     ian belief net to determine estimated relevance of the at least one query result.


1     94. (Original)  The system of claim 62, wherein the display comprises a port-

2     able computing device.


1     95. (Original)  The system of claim 62, wherein the primary document com-

2     prises a text document.

1      96. (Original)  The system of claim 62, wherein the primary document com-

2    prises a non-text document.


1      97. (Original)  The system of claim 62, wherein the display comprises a calen-

2    dar display.


1      98. (Original)  The system of claim 62, wherein the display comprises a user-

2    activated toolbar menu.


1      99. (Previously presented)  A computer program product comprising a com-

2    puter-usable medium having computer-readable code embodied therein for uncon-

3    scious data retrieval, comprising:

4          computer-readable program code configured to cause a computer to ex-

5              tract at least one query key from a primary document;

6          computer-readable program code configured to cause a computer to,

7              responsive to a connection with at least one data source being

8              available, pre-fetching at least one query result by:

9              querying at least one data source with the at least one query key;

10                 and

11             receiving at least one query result from at least one data source;

12         computer-readable program code configured to cause a computer to

13             evaluate the received at least one query result; and

14    computer-readable program code configured to cause a computer to

15            display at least one received query result;

16        wherein the computer-readable program code configured to cause a

17            computer to extract, query, receive, and evaluate operate asyn-

18            chronously with respect to user interaction with the primary

19            document;

20    and wherein the computer-readable program code configured to cause a com-

21            puter to display the at least one received query result operates without

22            regard to whether a connection with a data source is available.


1    100. (Original) The computer program product of claim 99, wherein the com-

2    puter-readable program code configured to cause a computer to extract, query, re-

3    ceive, and evaluate operate asynchronously with respect to user interaction with the

4    primary document.


1    101. (Original) The computer program product of claim 99, further compris-

2    ing:

3            computer-readable program code configured to cause a computer to

4            store the evaluated at least one query result;


5    and wherein the computer-readable program code configured to cause a com-

6    puter to display at least one received query result comprises:

7            computer-readable program code configured to cause a computer to re-

8            trieve the stored at least one query result; and

9  computer-readable program code configured to cause a computer to

10  display the retrieved at least one query result.

1  102. (Previously presented)  A computer program product comprising a

2  computer-usable medium having computer-readable code embodied therein for un-

3  conscious data retrieval, comprising:

4  computer-readable program code configured to cause a computer to ex-

5  tract at least one query key from a primary document;

6  computer-readable program code configured to cause a computer to

7  query at least one data source with the at least one query key;

8  computer-readable program code configured to cause a computer to re-

9  ceive at least one query result from at least one data source;

10  computer-readable program code configured to cause a computer to

11  evaluate the received at least one query result;

12  computer-readable program code configured to cause a computer to

13  store the evaluated at least one query result;

14  computer-readable program code configured to cause a computer to re-

15  ceive a query request from a user;

16  computer-readable program code configured to cause a computer to

17  display a preview of at least one query result item responsive to

18  the received query request;

19  computer-readable program code configured to cause a computer to re-

20  ceive a selection of one of the previewed items;

21    computer-readable program code configured to cause a computer to re-

22         trieve the selected item; and

23    computer-readable program code configured to cause a computer to

24         display a representation of the selected item;

25 wherein the computer-readable program code configured to cause a computer

26    to extract, query, receive, and evaluate operate without user interaction.


1    103. (Previously presented)   A computer program product comprising a

2 computer-usable medium having computer-readable code embodied therein for un-

3 conscious data retrieval, comprising:

4    computer-readable program code configured to cause a computer to ex-

5         tract at least one query key from a primary document;

6    computer-readable program code configured to cause a computer to

7         transmit a query over a network to at least one data source with

8         the at least one query key;

9    computer-readable program code configured to cause a computer to re-

10        ceive at least one query result from at least one data source;

11    computer-readable program code configured to cause a computer to

12        evaluate the received at least one query result; and

13    computer-readable program code configured to cause a computer to

14        display at least one received query result;

15          wherein the computer-readable program code configured to cause a

16                  computer to extract, query, receive, and evaluate operate with-

17                  out user interaction.

1          104. (Previously presented) The computer program product of claim 103,

2      wherein the computer-readable program code configured to cause a computer to

3      transmit the query comprises computer-readable program code configured to cause

4      a computer to transmit an e-mail message containing the query to the at least one

5      data source.

1          105. (Previously presented) The computer program product of claim 104,

2      wherein the computer-readable program code configured to cause a computer to

3      transmit the e-mail message to the at least one data source comprises computer-

4      readable program code configured to cause a computer to transmit the e-mail mes-

5      sage across a firewall.

1          106. (Previously presented) The computer program product of claim 104,

2      wherein the computer-readable program code configured to cause a computer to

3      transmit the e-mail message to the at least one data source comprises computer-

4      readable program code configured to cause a computer to transmit an XML-encoded

5      e-mail message containing a query to the at least one data source.

1          107. (Previously presented) The computer program product of claim 103,

2      wherein the computer-readable program code configured to cause a computer to re-

3 ceive at least one query result from at least one data source comprises computer-

4 readable program code configured to cause a computer to receive an e-mail message

5 containing at least one query result from at least one data source.


1     108. (Previously presented) A computer program product comprising a com-

2 puter-usable medium having computer-readable code embodied therein for uncon-

3 scious data retrieval, comprising:

4         computer-readable program code configured to cause a computer to ex-

5             tract at least one query key from a primary document;

6         computer-readable program code configured to cause a computer to

7             query at least one data at least one information appliance key;

8         computer-readable program code configured to cause a computer to re-

9             ceive at least one query result from at least one information ap-

10             pliance;

11         computer-readable program code configured to cause a computer to

12             evaluate the received at least one query result; and

13         computer-readable program code configured to cause a computer to

14             display at least one received query result;

15         wherein the computer-readable program code configured to cause a

16             computer to extract, query, receive, and evaluate operate with-

17             out user interaction.

1        109. (Original) The computer program product of claim 108, wherein at least

2 one of the information appliances comprises one selected from the group consisting

3 of:

4                a visitor kiosk;

5                a meeting recorder;

6                a presentation recorder;

7                a whiteboard capture device;

8                a communication device; and

9                a document management device.


1        110. (Original) The The computer program product of claim 99, wherein the

2 computer-readable program code configured to cause a computer to evaluate the re-

3 ceived at least one query result comprises computer-readable program code config-

4 ured to cause a computer to estimate the relevance of the query result with respect to

5 the primary document.


1        111. (Original) The computer program product of claim 99, wherein the com-

2 puter-readable program code configured to cause a computer to evaluate the re-

3 ceived at least one query result comprises computer-readable program code config-

4 ured to cause a computer to determine whether the query result is sufficiently rele-

5 vant with respect to a predetermined relevancy threshold;

6                and wherein the computer-readable program code configured to cause

7                      a computer to display at least one received query result com-

8      prises computer-readable program code configured to cause a

9      computer to display a query result responsive to the determina-

10      tion indicating that the query result is sufficiently relevant.


1      112. (Previously presented) A computer program product comprising a

2 computer-usable medium having computer-readable code embodied therein for un-

3 conscious data retrieval, comprising:

4      computer-readable program code configured to cause a computer to ex-

5      tract at least one query key from a primary document;

6      computer-readable program code configured to cause a computer to

7      query at least one data source with the at least one query key;

8      computer-readable program code configured to cause a computer to re-

9      ceive at least one query result from at least one data source;

10      computer-readable program code configured to cause a computer to

11      evaluate the received at least one query result; and

12      computer-readable program code configured to cause a computer to

13      display at least one received query result;

14      computer-readable program code configured to cause a computer to,

15      after receiving at least one query result, determine whether an

16      additional query should be performed; and

17      computer-readable program code configured to cause a computer to,

18      responsive to a determination that an additional query should be

19      performed:

20      formulate an additional query containing at least one secondary

21          query key;

22      query at least one data source with the at least one secondary query

23          key;

24      receive at least one secondary query result from at least one data

25          source; and

26      display at least one received secondary query result;

27      wherein the computer-readable program code configured to cause a computer

28          to extract, query, receive, and evaluate operate without user interaction.


1       113. (Original)  The computer program product of claim 99, wherein the com-

2       puter-readable program code configured to cause a computer to display at least one

3       received query result comprises computer-readable program code configured to

4       cause a computer to display the query result in the context of a currently active soft-

5       ware application.


1       114. (Original)  The computer program product of claim 99, wherein the com-

2       puter-readable program code configured to cause a computer to display at least one

3       received query result comprises computer-readable program code configured to

4       cause a computer to display the query result in a sidebar pane adjacent to a currently

5       active on-screen window.


1       115. (Original)  The computer program product of claim 99, wherein the com-

2       puter-readable program code configured to cause a computer to display at least one

3    received query result comprises computer-readable program code configured to

4    cause a computer to display the query result in an on-screen window concurrently

5    with display of a currently active on-screen window.

1          116.  (Original)  The computer program product of claim 99, wherein the com-

2    puter-readable program code configured to cause a computer to display at least one

3    received query result comprises computer-readable program code configured to

4    cause a computer to display the query result in an on-screen dialog box.

1          117.  (Original)  The computer program product of claim 99, wherein at least

2    one of the data sources comprises a network-connected computer containing shared

3    information.

1          118.  (Original)  The computer program product of claim 99, wherein at least

2    one of the data sources comprises a shared directory.

1          119.  (Original)  The computer program product of claim 99, wherein the pri-

2    mary document is one selected from the group consisting of:

3                    an electronic communication;

4                    a word processing document;

5                    a spreadsheet document;

6                    a task item;

7                    a calendar item;

8                    a file;

9          an image;

10          a sound recording;

11          a video recording; and

12          a contact record.


1          120. (Original) The computer program product of claim 99, wherein the com-

2     puter-readable program code configured to cause a computer to query at least one

3     data source comprises:

4               computer-readable program code configured to cause a computer to

5                    formulate a structured query based on the extracted at least one

6                    query key; and

7               computer-readable program code configured to cause a computer to

8                    transmit the structured query to the at least one data source.


1          121. (Original) The computer program product of claim 99, wherein the com-

2     puter-readable program code configured to cause a computer to extract at least one

3     query key comprises computer-readable program code configured to cause a com-

4     puter to apply a part-of-speech analysis to the primary document.


1          122. (Original) The computer program product of claim 99, wherein the com-

2     puter-readable program code configured to cause a computer to evaluate the re-

3     ceived at least one query result comprises computer-readable program code config-

4     ured to cause a computer to apply a Bayesian belief net to determine estimated rele-

5     vance of the at least one query result.

1    123. (Original) The computer program product of claim 99, wherein the com-

2    puter-readable program code configured to cause a computer to display at least one

3    received query result comprises computer-readable program code configured to

4    cause a computer to display the result on a device that is intermittently connected via

5    a network.

1    124. (Previously presented)  A computer program product comprising a

2    computer-usable medium having computer-readable code embodied therein for un-

3    conscious data retrieval, comprising:

4            computer-readable program code configured to cause a computer to ex-

5                tract at least one query key from a primary document;

6            computer-readable program code configured to cause a computer to

7                query at least one data source with the at least one query key;

8            computer-readable program code configured to cause a computer to re-

9                ceive at least one query result from at least one data source;

10           computer-readable program code configured to cause a computer to

11               evaluate the received at least one query result; and

12           computer-readable program code configured to cause a computer to

13               display at least one received query result  in a calendar display;

14           wherein the computer-readable program code configured to cause a

15               computer to extract, query, receive, and evaluate operate with-

16               out user interaction.

1    125. (Previously presented)   A computer program product comprising a

2    computer-usable medium having computer-readable code embodied therein for un-

3    conscious data retrieval, comprising:

4           computer-readable program code configured to cause a computer to ex-

5                  tract at least one query key from a primary document;

6           computer-readable program code configured to cause a computer to

7                  query at least one data source with the at least one query key;

8           computer-readable program code configured to cause a computer to re-

9                  ceive at least one query result from at least one data source;

10          computer-readable program code configured to cause a computer to

11                 evaluate the received at least one query result; and

12          computer-readable program code configured to cause a computer to

13                 display at least one received query result  in a user-activated

14                 toolbar menu;

15          wherein the computer-readable program code configured to cause a

16                 computer to extract, query, receive, and evaluate operate with-

17                 out user interaction.


1    126. (Original) The computer program product of claim 99, wherein the com-

2    puter-readable program code configured to cause a computer to display at least one

3    received query result comprises:

4        computer-readable program code configured to cause a computer to

5            designate at least a portion of the primary document as a hyper-

6            link; and

7        computer-readable program code configured to cause a computer to,

8            responsive to user activation of the hyperlink, display a query

9            result.

1        127. (Original) The computer program product of claim 99, wherein the com-

2 puter-readable program code configured to cause a computer to display at least one

3 received query result comprises:

4            computer-readable program code configured to cause a computer to

5            display an on-screen button; and

6            computer-readable program code configured to cause a computer to,

7            responsive to user activation of the button, display a query re-

8            sult.

1        128. (Original) The computer program product of claim 99, wherein the com-

2 puter-readable program code configured to cause a computer to display at least one

3 received query result comprises:

4            computer-readable program code configured to cause a computer to

5            display a toolbar menu activation button; and

6      computer-readable program code configured to cause a computer to,

7         responsive to user activation of the button, display a query re-

8         sult.

1      129. (Original) The computer program product of claim 99, wherein the com-

2 puter-readable program code configured to cause a computer to display at least one

3 received query result comprises:

4         computer-readable program code configured to cause a computer to

5         display a menu comprising at least one command; and

6         computer-readable program code configured to cause a computer to,

7         responsive to user selection of one of the at least one command,

8         display a query result.

1      130. (Original) The computer program product of claim 99, wherein the com-

2 puter-readable program code configured to cause a computer to display at least one

3 received query result comprises:

4         computer-readable program code configured to cause a computer to

5         display a menu activation icon;

6         computer-readable program code configured to cause a computer to,

7         responsive to user activation of the menu activation icon, display

8         a menu comprising at least one command; and

9            computer-readable program code configured to cause a computer to,

10            responsive to user selection of one of the at least one command,

11            display a query result.


1      131. (Previously presented)   A computer program product comprising a

2  computer-usable medium having computer-readable code embodied therein for un-

3  conscious data retrieval, comprising:

4            computer-readable program code configured to cause a computer to ex-

5            tract at least one query key from a primary document;

6            computer-readable program code configured to cause a computer to

7            query at least one data source with the at least one query key;

8            computer-readable program code configured to cause a computer to re-

9            ceive at least one query result from at least one data source;

10            computer-readable program code configured to cause a computer to

11            evaluate the received at least one query result; and

12            computer-readable program code configured to cause a computer to

13            recognize user-entered text as having a format corresponding to

14            a predefined data type;

15            computer-readable program code configured to cause a computer to

16            display a menu comprising at least one command applicable to

17            the data type; and

18    computer-readable program code configured to cause a computer to,

19        responsive to user selection of one of the at least one command,

20        display at least one query result;

21    wherein the computer-readable program code configured to cause a computer

22        to extract, query, receive, and evaluate operate without user interaction.